<table>
<thead>
<tr>
<th>Subject No.</th>
<th>2024R-42</th>
</tr>
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<tbody>
<tr>
<td>Job Title</td>
<td>Fixed Term Researcher</td>
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<tr>
<td>Department</td>
<td>Advanced ICT Research Institute / Koganei Frontier Research Center, Terahertz ICT Device Laboratory</td>
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<tr>
<td>Work Contents (Research theme)</td>
<td>R&amp;D of terahertz- and millimeter-wave high-power amplifier MMIC design, simulation and front-end module technology</td>
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**Detail of Work Contents**

The research and development of the basic technology related to the high-power amplifier MMIC and front-end module for terahertz- and millimeter-wave wireless and sensing technologies is carried out. Examples include the following, but specific topics will be determined according to the professional and experience of the researcher. 1) development of high-power amplifier MMIC design and simulation technology using foundry service PDK (Process Design Kit) of compound semiconductor materials (e.g. InGaAs, InP, and GaN), 2) development of front-end module and packaging technology using the high-power amplifier MMIC.

The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content.

**Application requirement**

Employees to be hired through this recruitment may apply for external competitive research fundings such as Grant-in-Aid for Scientific Research (KAKENHI) and NICT's internal research fundings.

**Recruiting (Number of people)**

1

**Contract period**

hiring date ~ March 31, 2025

N.B. Contract could be renewed.

**The employment period in case of fully renewing**

Up to 5 years if certain conditions are fulfilled

**Salary (basic salary)**

¥638,000 ~ ¥697,000/month

Basic salary shall be determined by taking into account each employee's experience and task to be engaged in. However, as a basic salary is compliant with government employees' wages, it shall be changed when a basic salary is changed after labor union and the like of NICT agreed under a revision to the government employees' wages.

**Work Place**

Headquarters (Koganei-shi, Tokyo)

**Working frequency**

5days/week (7.5hours/day)

Department name and work place including work contents (research theme) and detail of work contents might change according to organizational change, etc.

Scope of change in work and workplace: No changes are expected in general.